1. (Amended) A method for measuring the ability of a compound to affect the binding ~~activity~~ of molecules to a steroid hormone receptor~~receptors~~r, comprising:

a. ~~mixing~~ providing a solution comprising a fluorescence-emitting compound that binds to the steroid hormone ~~receptors~~ receptor at a first domain; ~~and~~ a fluorescence-labeled nucleic acid that binds to the steroid hormone ~~receptors~~ receptor at a second domain; and ~~in a solution containing~~ the steroid hormone ~~receptors~~receptor;

b. measuring the fluorescence polarization of ~~each fluorescence emission from~~ said fluorescence-emitting compound and said fluorescence-labeled nucleic acid present in the solution from step a) at excitation and emission wavelcngths corresponding to the excitation and emission wavelengths of each of said fluorescence-emitting compound and said fluorescence-labeled nucleic acid;

c. incubating the solution of step a) with at least one ~~molecule~~ unlabeled compound that may ~~compete for interaction with~~affcct thc binding of said fluorescence-emitting compound or said fluorescence-labeled nucleic acid to said steroid hormonc receptor ~~at least one domain~~;

d. measuring the fluorescence polarization ~~of each fluorescence emission~~ of said fluorescencc-emitting compound and said fluorescence-labeled nucleic acid present in the solution ~~during~~ from step c) at excitation and emission wavelengths corresponding to the excitation and emission wavelengths of each of said fluorescence-emitting compound and said fluorescence-labeled nucleic acid; and,

e. comparing the fluorescence polarization measurements of step b) with step d) to determine if said unlabeled compound affects the binding of said fluorescence-emitting compound or said fluorescence-labeled nucleic acid to the steroid hormone receptor~~quantify any interaction~~.

2. (Amended) The method of claim 1 wherein the steroid hormone ~~receptors are~~receptor is purified.

3. (Amended) The method of claim 2 wherein the purified steroid hormone ~~receptors comprises~~ is a recombinant steroid hormone ~~receptors~~receptor.

4. (Amended) The method of claim 2 wherein the difference in fluorescence polarization between the bound and unbound fluorescence-emitting compound and between the bound and unbound fluorescence-labeled nucleic acid~~quantitation comparison of step e)~~ is of sufficient magnitude to be suitable for use with a screening assay.

7. (Amended) The method of claim 3 wherein the steroid hormone ~~receptors~~ receptor comprises estrogen receptor.